

Exhibit 4D

RCS file: /s6/cvsroot/euterpe/BOM,v

Working file: BOM

head: 5.105

branch:

locks: strict

access list:

keyword substitution: kv

total revisions: 1940; selected revisions: 3

description:

top level BOM

revision 5.3

date: 1995/08/16 15:02:35; author: wampler; state: Exp; lines: +2 -2

Release Target: euterpe/verilog/bsrc

 OREADME.hand_routing

Added notes on final Euterpe hand-routing strategy.

revision 5.2

date: 1995/08/14 06:13:21; author: vanthof; state: Exp; lines: +2 -2

Release Target: euterpe/compass/layouts

 f0007_scrext.ly

 f0007_ring.ly

releasing f0007_scrext.ly f0007_ring.ly

revision 5.1

date: 1995/08/14 04:47:16; author: vanthof; state: Exp; lines: +2 -2

Release Target: euterpe/compass/layouts

 f0007.ly

 f0007_fill_m2.ly

 f0007_fill_m3.ly

 f0007_fill_m4.ly

 f0007_fill_v12.ly

 f0007_fill_v23.ly

 f0007_fill_v34.ly

 f0007_fill_v45.ly

 f0007_fill_ctpg.ly

 f0007_fill_m1.ly

releasing f0007.ly f0007_fill_m2.ly f0007_fill_m3.ly f0007_fill_m4.ly
f0007_fill_v12.ly f0007_fill_v23.ly f0007_fill_v34.ly f0007_fill_v45.ly
f0007_fill_ctpg.ly f0007_fill_m1.ly

=====

RCS file: /s6/cvsroot/euterpe/compass/BOM,v

Working file: compass/BOM

head: 7.21

branch:

locks: strict

access list:

keyword substitution: kv

total revisions: 67; selected revisions: 2

description:

revision 7.2

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date: 1995/08/14 06:12:59; author: vanthof; state: Exp; lines: +2 -2
Release Target: euterpe/compass/layouts
f0007_scrext.ly
f0007_ring.ly

releasing f0007_scrext.ly f0007_ring.ly

revision 7.1

date: 1995/08/14 04:46:50; author: vanthof; state: Exp; lines: +2 -2
Release Target: euterpe/compass/layouts

f0007.ly
f0007_fill_m2.ly
f0007_fill_m3.ly
f0007_fill_m4.ly
f0007_fill_v12.ly
f0007_fill_v23.ly
f0007_fill_v34.ly
f0007_fill_v45.ly
f0007_fill_ctpg.ly
f0007_fill_m1.ly

releasing f0007.ly f0007_fill_m2.ly f0007_fill_m3.ly f0007_fill_m4.ly
f0007_fill_v12.ly f0007_fill_v23.ly f0007_fill_v34.ly f0007_fill_v45.ly
f0007_fill_ctpg.ly f0007_fill_m1.ly
=====

RCS file: /s6/cvsroot/euterpe/compass/layouts/BOM,v

Working file: compass/layouts/BOM

head: 27.3

branch:

locks: strict

access list:

keyword substitution: kv

total revisions: 79; selected revisions: 2

description:

releasebom adding BOM

revision 21.2

date: 1995/08/14 06:12:49; author: vanthof; state: Exp; lines: +9 -1

Release Target: euterpe/compass/layouts

f0007_scrext.ly
f0007_ring.ly

releasing f0007_scrext.ly f0007_ring.ly

revision 21.1

date: 1995/08/14 04:46:39; author: vanthof; state: Exp; lines: +11 -11

Release Target: euterpe/compass/layouts

f0007.ly
f0007_fill_m2.ly
f0007_fill_m3.ly
f0007_fill_m4.ly
f0007_fill_v12.ly
f0007_fill_v23.ly
f0007_fill_v34.ly
f0007_fill_v45.ly
f0007_fill_ctpg.ly

f0007_fill_m1.ly

releasing f0007.ly f0007_fill_m2.ly f0007_fill_m3.ly f0007_fill_m4.ly
f0007_fill_v12.ly f0007_fill_v23.ly f0007_fill_v34.ly f0007_fill_v45.ly
f0007_fill_ctpg.ly f0007_fill_m1.ly

=====

RCS file: /s6/cvsroot/euterpe/compass/layouts/f0007.ly,v
Working file: compass/layouts/f0007.ly

head: 10.12

branch:

locks: strict

access list:

keyword substitution: kv

total revisions: 12; selected revisions: 1

description:

revision 10.10

date: 1995/08/14 03:18:33; author: chip; state: Exp; lines: +1897 -2012

periodic checkin of Sun Aug 13 20:17:45 PDT 1995

=====

RCS file: /s6/cvsroot/euterpe/compass/layouts/f0007_fill_ctpg.ly,v

Working file: compass/layouts/f0007_fill_ctpg.ly

head: 19.6

branch:

locks: strict

access list:

keyword substitution: kv

total revisions: 6; selected revisions: 1

description:

revision 19.4

date: 1995/08/14 03:19:53; author: chip; state: Exp; lines: +29848 -30398

periodic checkin of Sun Aug 13 20:17:45 PDT 1995

=====

RCS file: /s6/cvsroot/euterpe/compass/layouts/f0007_fill_m1.ly,v

Working file: compass/layouts/f0007_fill_m1.ly

head: 19.6

branch:

locks: strict

access list:

keyword substitution: kv

total revisions: 6; selected revisions: 1

description:

revision 19.4

date: 1995/08/14 03:22:27; author: chip; state: Exp; lines: +15820 -16109

periodic checkin of Sun Aug 13 20:17:45 PDT 1995

=====

RCS file: /s6/cvsroot/euterpe/compass/layouts/f0007_fill_m2.ly,v

Working file: compass/layouts/f0007_fill_m2.ly

head: 19.6

branch:

locks: strict

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access list:
keyword substitution: kv
total revisions: 6;      selected revisions: 1
description:
-----
revision 19.4
date: 1995/08/14 03:24:04; author: chip; state: Exp; lines: +16865 -17185
periodic checkin of Sun Aug 13 20:17:45 PDT 1995
=====

RCS file: /s6/cvsroot/euterpe/compass/layouts/f0007_fill_m3.ly,v
Working file: compass/layouts/f0007_fill_m3.ly
head: 19.6
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 6;      selected revisions: 1
description:
-----
revision 19.4
date: 1995/08/14 03:26:01; author: chip; state: Exp; lines: +16712 -17036
periodic checkin of Sun Aug 13 20:17:45 PDT 1995
=====

RCS file: /s6/cvsroot/euterpe/compass/layouts/f0007_fill_m4.ly,v
Working file: compass/layouts/f0007_fill_m4.ly
head: 19.6
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 6;      selected revisions: 1
description:
-----
revision 19.4
date: 1995/08/14 03:27:47; author: chip; state: Exp; lines: +16646 -16955
periodic checkin of Sun Aug 13 20:17:45 PDT 1995
=====

RCS file: /s6/cvsroot/euterpe/compass/layouts/f0007_fill_v12.ly,v
Working file: compass/layouts/f0007_fill_v12.ly
head: 19.6
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 6;      selected revisions: 1
description:
-----
revision 19.4
date: 1995/08/14 03:29:33; author: chip; state: Exp; lines: +14521 -14793
periodic checkin of Sun Aug 13 20:17:45 PDT 1995
=====

RCS file: /s6/cvsroot/euterpe/compass/layouts/f0007_fill_v23.ly,v
Working file: compass/layouts/f0007_fill_v23.ly

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```

head: 19.6
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 6;      selected revisions: 1
description:
-----
revision 19.4
date: 1995/08/14 03:32:14; author: chip; state: Exp; lines: +15100 -15373
periodic checkin of Sun Aug 13 20:17:45 PDT 1995
=====

RCS file: /s6/cvsroot/euterpe/compass/layouts/f0007_fill_v34.ly,v
Working file: compass/layouts/f0007_fill_v34.ly
head: 19.6
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 6;      selected revisions: 1
description:
-----
revision 19.4
date: 1995/08/14 03:34:25; author: chip; state: Exp; lines: +15078 -15362
periodic checkin of Sun Aug 13 20:17:45 PDT 1995
=====

RCS file: /s6/cvsroot/euterpe/compass/layouts/f0007_fill_v45.ly,v
Working file: compass/layouts/f0007_fill_v45.ly
head: 19.6
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 6;      selected revisions: 1
description:
-----
revision 19.4
date: 1995/08/14 03:36:24; author: chip; state: Exp; lines: +15448 -15717
periodic checkin of Sun Aug 13 20:17:45 PDT 1995
=====

RCS file: /s6/cvsroot/euterpe/compass/layouts/f0007_ring.ly,v
Working file: compass/layouts/f0007_ring.ly
head: 21.3
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 3;      selected revisions: 1
description:
-----
revision 21.1
date: 1995/08/14 03:37:32; author: chip; state: Exp;
periodic checkin of Sun Aug 13 20:17:45 PDT 1995
=====

```

RCS file: /s6/cvsroot/euterpe/compass/layouts/f0007_scrext.ly,v
Working file: compass/layouts/f0007_scrext.ly
head: 21.3
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 3; selected revisions: 1
description:

revision 21.1
date: 1995/08/14 03:37:49; author: chip; state: Exp;
periodic checkin of Sun Aug 13 20:17:45 PDT 1995
=====

RCS file: /s6/cvsroot/euterpe/compass/layouts/vlsi.cko,v
Working file: compass/layouts/vlsi.cko
head: 2.73
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 73; selected revisions: 2
description:

revision 2.39
date: 1995/08/14 03:37:58; author: chip; state: Exp; lines: +0 -9
periodic checkin of Sun Aug 13 20:17:45 PDT 1995

revision 2.38
date: 1995/08/14 00:18:56; author: chip; state: Exp; lines: +9 -0
periodic checkin of Sun Aug 13 17:18:53 PDT 1995
=====

RCS file: /s6/cvsroot/euterpe/compass/layouts/vlsi.log,v
Working file: compass/layouts/vlsi.log
head: 2.88
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 88; selected revisions: 2
description:

revision 2.42
date: 1995/08/14 03:38:00; author: chip; state: Exp; lines: +25 -0
periodic checkin of Sun Aug 13 20:17:45 PDT 1995

revision 2.41
date: 1995/08/14 00:18:59; author: chip; state: Exp; lines: +9 -0
periodic checkin of Sun Aug 13 17:18:53 PDT 1995
=====

RCS file:
/s6/cvsroot/euterpe/msts/DUT_boards/p620_00025_0000/allegro/rnd_probe8.brd,v
Working file: msts/DUT_boards/p620_00025_0000/allegro/rnd_probe8.brd

head: 1.1
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 1; selected revisions: 1
description:

revision 1.1
date: 1995/08/14 16:52:39; author: pmayer; state: Exp;
started routing for evaluating probe ring pin assignments
=====

RCS file:
/s6/cvsroot/euterpe/msts/DUT_boards/p620_00025_0000/ged/probes/euterpe_mms_probe
/spice.1.1,v
Working file:
msts/DUT_boards/p620_00025_0000/ged/probes/euterpe_mms_probe/spice.1.1
head: 1.7
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 7; selected revisions: 2
description:

revision 1.5
date: 1995/08/14 21:55:19; author: pmayer; state: Exp; lines: +27 -27
changed several net names

revision 1.4
date: 1995/08/13 01:08:37; author: pmayer; state: Exp; lines: +735 -600
added 3 new resistors
=====

RCS file:
/s6/cvsroot/euterpe/msts/DUT_boards/p620_00025_0000/ged/probes/euterpe_mms_probe
/spice.1.2,v
Working file:
msts/DUT_boards/p620_00025_0000/ged/probes/euterpe_mms_probe/spice.1.2
head: 1.6
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 6; selected revisions: 1
description:

revision 1.4
date: 1995/08/14 21:55:23; author: pmayer; state: Exp; lines: +1343 -1343
changed several net names
=====

RCS file: /s6/cvsroot/euterpe/verify/status,v
Working file: verify/status
head: 3.64
branch:

locks: strict
access list:
keyword substitution: kv
total revisions: 64; selected revisions: 3
description:

revision 3.54

date: 1995/08/16 22:06:06; author: dit00; state: Exp; lines: +24 -0
Update

revision 3.53

date: 1995/08/15 21:56:42; author: dit00; state: Exp; lines: +191 -0
Update

revision 3.52

date: 1995/08/12 20:49:48; author: dit00; state: Exp; lines: +27 -0
Update
=====

RCS file: /s6/cvsroot/euterpe/verify/perf/Makefile,v

Working file: verify/perf/Makefile

head: 1.10

branch:

locks: strict

access list:

keyword substitution: kv

total revisions: 10; selected revisions: 3

description:

revision 1.8

date: 1995/08/16 17:17:57; author: dit00; state: Exp; lines: +4 -3
Added gexpand16_perf.S and mgexpand16_perf.S

revision 1.7

date: 1995/08/16 00:09:24; author: jeffm; state: Exp; lines: +7 -3
Added missign rule.

revision 1.6

date: 1995/08/15 22:39:16; author: jeffm; state: Exp; lines: +34 -26
Make faster dram versions of these tests.
=====

RCS file: /s6/cvsroot/euterpe/verify/perf/dcachemiss_perf.S,v

Working file: verify/perf/dcachemiss_perf.S

head: 1.5

branch:

locks: strict

access list:

keyword substitution: kv

total revisions: 5; selected revisions: 1

description:

revision 1.5

date: 1995/08/15 22:39:18; author: jeffm; state: Exp; lines: +5 -0
Make faster dram versions of these tests.
=====

RCS file: /s6/cvsroot/euterpe/verify/perf/dram_perf.S,v
Working file: verify/perf/dram_perf.S

head: 1.8

branch:

locks: strict

access list:

keyword substitution: kv

total revisions: 8; selected revisions: 1

description:

revision 1.7

date: 1995/08/15 22:39:19; author: jeffm; state: Exp; lines: +5 -1
Make faster dram versions of these tests.

=====

RCS file: /s6/cvsroot/euterpe/verify/perf/gexpand16_perf.S,v
Working file: verify/perf/gexpand16_perf.S

head: 3.1

branch:

locks: strict

access list:

keyword substitution: kv

total revisions: 1; selected revisions: 1

description:

revision 3.1

date: 1995/08/15 21:40:55; author: claseman; state: Exp;
initial revision

=====

RCS file: /s6/cvsroot/euterpe/verify/perf/icache_perf.S,v
Working file: verify/perf/icache_perf.S

head: 3.5

branch:

locks: strict

access list:

keyword substitution: kv

total revisions: 5; selected revisions: 2

description:

initial revision

revision 3.3

date: 1995/08/17 22:04:28; author: claseman; state: Exp; lines: +2 -2
fixed GTLB entry

revision 3.2

date: 1995/08/15 21:39:03; author: claseman; state: Exp; lines: +1 -1
change GTLB mask

=====

RCS file: /s6/cvsroot/euterpe/verify/perf/icachemiss_perf.S,v
Working file: verify/perf/icachemiss_perf.S

head: 1.10

branch:

locks: strict

access list:

keyword substitution: kv

total revisions: 10; selected revisions: 2
description:

revision 1.7
date: 1995/08/17 22:04:30; author: claseman; state: Exp; lines: +4 -4
fixed GTLB entry

revision 1.6
date: 1995/08/15 21:39:12; author: claseman; state: Exp; lines: +1 -1
change GTLB mask
=====

RCS file: /s6/cvsroot/euterpe/verify/perf/mgexpand16_perf.S,v
Working file: verify/perf/mgexpand16_perf.S
head: 3.1
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 1; selected revisions: 1
description:

revision 3.1
date: 1995/08/15 21:40:59; author: claseman; state: Exp;
initial revision
=====

RCS file: /s6/cvsroot/euterpe/verify/random/regdepend_r521.S,v
Working file: verify/random/regdepend_r521.S
head: 2.3
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 3; selected revisions: 1
description:

revision 2.3
date: 1995/08/16 14:11:12; author: dit00; state: Exp; lines: +3 -0
Added code to terminate properly
=====

RCS file: /s6/cvsroot/euterpe/verify/random/regdepend_r656.S,v
Working file: verify/random/regdepend_r656.S
head: 2.3
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 3; selected revisions: 1
description:

revision 2.3
date: 1995/08/16 14:11:15; author: dit00; state: Exp; lines: +3 -0
Added code to terminate properly
=====

RCS file: /s6/cvsroot/euterpe/verify/random/regdepend_r7210.S,v
Working file: verify/random/regdepend_r7210.S
head: 2.3
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 3; selected revisions: 1
description:

revision 2.3
date: 1995/08/16 14:11:23; author: dit00; state: Exp; lines: +3 -0
Added code to terminate properly
=====

RCS file: /s6/cvsroot/euterpe/verify/random/regdepend_r786.S,v
Working file: verify/random/regdepend_r786.S
head: 2.3
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 3; selected revisions: 1
description:

revision 2.3
date: 1995/08/16 14:11:18; author: dit00; state: Exp; lines: +3 -0
Added code to terminate properly
=====

RCS file: /s6/cvsroot/euterpe/verify/random/regdepend_r915.S,v
Working file: verify/random/regdepend_r915.S
head: 2.3
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 3; selected revisions: 1
description:

revision 2.3
date: 1995/08/16 14:11:20; author: dit00; state: Exp; lines: +3 -0
Added code to terminate properly
=====

RCS file: /s6/cvsroot/euterpe/verify/random/status,v
Working file: verify/random/status
head: 2.26
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 26; selected revisions: 1
description:

revision 2.22
date: 1995/08/16 14:12:16; author: dit00; state: Exp; lines: +8 -0

Update

```
=====
RCS file: /s6/cvsroot/euterpe/verify/random/template,v
Working file: verify/random/template
head: 2.33
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 33;   selected revisions: 1
description:
-----
```

```
revision 2.27
date: 1995/08/16 14:12:18;  author: dit00;  state: Exp;  lines: +44 -44
Update
=====
```

```
RCS file: /s6/cvsroot/euterpe/verify/toplevel/template,v
Working file: verify/toplevel/template
head: 1.148
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 148;   selected revisions: 1
description:
-----
```

```
revision 1.140
date: 1995/08/16 22:06:33;  author: dit00;  state: Exp;  lines: +28 -24
Update
=====
```

```
RCS file: /s6/cvsroot/euterpe/verilog/BOM,v
Working file: verilog/BOM
head: 6.9
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 1390;   selected revisions: 1
description:
top level verilog BOM
-----
```

```
revision 6.1
date: 1995/08/16 15:02:14;  author: wampler;  state: Exp;  lines: +2 -2
Release Target: euterpe/verilog/bsrc
    OREADME.hand_routing
```

Added notes on final Euterpe hand-routing strategy.

```
=====
RCS file: /s6/cvsroot/euterpe/verilog/bsrc/OREADME.hand_routing,v
Working file: verilog/bsrc/OREADME.hand_routing
head: 345.1
branch:
locks: strict
```

access list:
keyword substitution: kv
total revisions: 1; selected revisions: 1
description:

revision 345.1
date: 1995/08/16 14:58:26; author: wampler; state: Exp;
Added notes on hand-routing method.
=====

RCS file: /s6/cvsroot/euterpe/verilog/bsrc/BOM,v
Working file: verilog/bsrc/BOM
head: 346.6
branch:
locks: strict
access list:
keyword substitution: kv
total revisions: 1737; selected revisions: 1
description:

revision 345.1
date: 1995/08/16 15:01:54; author: wampler; state: Exp; lines: +5 -1
Release Target: euterpe/verilog/bsrc
 OREADME.hand_routing

Added notes on final Euterpe hand-routing strategy.
=====